BROCADE

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Overview

Brocade Communications Systems, Inc. is pleased to deliver the EFCM® 9.7.2 release.

- A list of the defects that were closed in EFCM® 9.7.2 has been added to the end of these release notes. Fixes in EFCM 9.7.2

Refer to the EFCM 9.7 software manual set and online help for instructions on using this application.

As issues are discovered and fixed, this document is updated. The most recent version of documentation is provided on the Brocade Web site, through Brocade Connect.

Go to http://www.brocade.com and click *Brocade Connect* to register at no cost for a user ID and password.

Note: To improve readability, this document refers to the release number of the application as 9.7.2 instead of the official release number 09.07.02.

Note: For your convenience, we have retained the legacy McDATA names to avoid any confusion. Please refer to the following table for the equivalent Brocade names for legacy McDATA products.

Brocade Names	**Legacy McDATA Names**
Brocade EFCM	EFCM
Brocade M-EOSc	E/OSc
Brocade M-EOSn	E/OSn
Brocade M6140 Director	Intrepid 6140 (ED-6140)
Brocade M4700F Switch	Sphereon 4700
Brocade Mi10k Director	Intrepid 10000 Director (i10k)

What's New in EFCM Version 9.7

The focus of the EFCM 9.7 release is to cover the 8Gb switches that will be available as part of the Mariner release. This includes Native Interoperability support for these platforms as well into M/EOS environments. Support for 8Gb HBAs is also included with this release. Other specific enhancements are outlined in detail below.

New Hardware Support

8Gb switches:

- Brocade 5300
- Brocade 5100
- Brocade 300

8Gb HBAs

- Brocade 415
- Brocade 425
- Brocade 815
- Brocade 825

New Features

- Native Interoperability support for the 8Gb switches
- Access Gateway support for the Brocade 300 switch
- Cascaded FICON support between Mi10K/M6140 and Brocade 48K/Brocade DCX: configuration of and management of cascaded FICON will be accomplished via a combination of EFCM and the FOS element managers (Web Tools)
- IPv6 support for the Mi10K and M6140 from the EFCM client to the server to the switch
- Fabric Binding support for Open Fabric mode (InterOp Mode 3).

Upgrade/Downgrade Considerations

- If you have EFCM 8.7 or later, you can perform a direct migration to EFCM 9.7.2 without a stop-over at EFCM 9.1.
- If you have SANavigator 4.2 and 4.2.1, first upgrade to EFCM 9.5 or 9.6 and then to EFCM 9.7.2
- Upgrade your EFCM/CM to EFCM 9.7/CM 9.7 before upgrading the Mi10k director to M- EOSn 9.7 or later
- If you have HAFM 8.8 or later, first upgrade to EFCM 9.5 or 9.6 and then to EFCM 9.7.2

For detailed upgrade instructions, refer to the *EFCM Software Upgrade Instructions* provided in the EFCM 9.7 documentation CD-ROM.

Operating Systems Supported

EFCM 9.7.2 is supported on the following operating systems.

Server / Client

Operating System	Versions
Windows	XP Professional SP2 2003 Server SP2 2000 Professional SP4[1]
Solaris	9, 10
Linux	Red Hat 9.0, kernel 2.4.20, Red Hat ES version 3, kernel 2.4.21 Red Hat ES version 4, kernel 2.6.9-5 SuSe Linux Professional Edition 9.2, kernel 2.6.x SuSe Linux Professional Edition 9.3, kernel 2.6.x

[1] No support for IPv6 on Windows 2000.

Product Operating Notes

Flavors

The flavors supported in the EFCM 9.7.2 release are:

- Connectrix Manager
- EFCM

Compatibility

The following table describes the firmware that EFCM 9.7.2 supports for both B model and M model switches and directors.

Operating System	**Switch/Director**
Switch Type (B-Model) Firmware Versions	
FOS 5.2.x, 5.3.x, 6.0.x and 6.1.0	Brocade 7500 Brocade 200E Brocade 5000 Brocade 4900 Brocade 48000 with 16P and 32P blades Brocade 48000 with 16P, 32P and FC4-48 blades Brocade DCX with 16, 32, and 48 Port blades[2] Brocade DCX with FR4-18i blades[2] Brocade DCX with FC10-6 blades[2] Brocade 300[3] Brocade 5100[3] Brocade 5300[3]
Blade Type (B-Model) Firmware Versions	

[2] Requires FOS 6.0 or higher

[3] Requires FOS 6.1.0

Operating System	Switch/Director
FOS 5.2.x, 5.3.x, 6.0.x and 6.1.0	Brocade 3014 Brocade 3016 Brocade 3016 Brocade 4020 Brocade 4016 Brocade 4024 Brocade 4018 Brocade 4012 Brocade 5410[3]
Switch Type (M-Model) Firmware Versions	
M-EOSc 9.1, 9.2, 9.6, 9.6.2, 9.7, and 9.7.1	Brocade M6064 and M6140 Brocade M4500 and M4700
E/OSi 4.7 and 5.0	Brocade M1620 and M2640
M-EOSn 6.x, 9.1, 9.2, 9.6, 9.6.1, 9.6.2, 9.7, and 9.7.1	Brocade Mi10K
M-EOSc 9.0, 9.1, 9.2, 9.6, 9.6.2, 9.7, and 9.7.1 M-EOSn 9.1, 9.2, 9.6, 9.6.1, 9.6.2, 9.7, and 9.7.1	QPM (Quad Port Module) card for Brocade M6064 and M6140 and LMQ 4G line module for the Brocade Mi10K director
E/OSq 5.2.2, 5.2.3, 5.5.1, 5.5.2 and 6.4.0.	M model blade switch

Configuring the Number of Event Limits

Perform the following steps to retain audit logs for EFCM 8.7.1 and avoid logs clearing daily.

1. After upgrading to EFCM 9.7.2, go to the following directory location: *<EFCM Installation Home>\resources\Client*.
2. Open the Config.properties file in a text editor. For example, use a text editor like Microsoft Window's Notepad.
3. Modify the smp.logs.limit parameter to the desired value.

   The values should be an integer in the range, 2000 to 20000. Any value other than this range or non-integer values like alphanumeric characters would result in EFCM client failing to start.
4. After specifying valid values for this parameter, start the EFCM client application.

Note: Whenever you change the value of this parameter, you need to restart the EFCM client for the latest value to take effect.

Disabling the SNMP Proxy

SNMP Proxy is enabled by default on all M model Blade switches. To ensure proper function of EFCM, disable the SNMP Proxy feature before attempting to discover the M model Blade switch in EFCM.

Perform the following steps to disable the SNMP Proxy:

1. Telnet to the switch.
2. Login to the switch.
3. Type admin start and press ENTER.
4. Type set setup snmp and press ENTER.
5. Set the *ProxyEnable* setting to False.
6. At *Do you want to save and activate the snmp setup? (y/n): [n]* type y (yes).

Managing Blade Switch Considerations

If an error message, "received error in attempt to release admin privileges - reason: no response" is received while configuring the secure socket shell (SSH) service for switch blades using Element Manager, you must install the M model Element Manager feature.

Do not use the Element Manager fabric binding feature on blade switches. Element Manager fabric binding does not synchronize with EFCM fabric binding. Therefore, if you use both the Element Manager and EFCM fabric binding features you can create a disconnect between the two features and this may result in any of the following:

- If you activate an ISL set when a port set is already active, the ISL set takes over and vise-versa (working as designed).
- If you activate switch binding within Element Manager and then activate fabric binding within EFCM, the fabric binding is stored by the blade and appended to the current switch binding security policy (working as designed).
- However, after carrying out the above procedure, if you deactivate fabric binding within EFCM it only deactivates on the M model switches. To deactivate the policy on the Element Manager, you must open the Element Manager and deactivate the policy there.
- Note that switch binding is deactivated when the learned fabric policy is merged. To activate switch binding, you must activate the policy you created within the Element Manager again manually. Failure to perform this task can lead to a security lapse.
- If switch binding is not activated within an Element Manager and fabric binding is activated within EFCM, deactivate fabric binding on the switch using EFCM (working as designed).
- If switch binding is activated through an Element Manager and there is a F_Port logged into the blade that is not in the switch binding membership list (for example, an administrator command has not logged out the unwanted port), then fabric binding cannot be activated using EFCM.

Important Notes

Zoning Related Change for FOS-based Fabrics

Issue

Previous versions of EFCM prefix the zoneset name and zone name with "SMP_" upon activation of a zoning configuration for Brocade FOS-based fabrics. This was designed to prevent the deletion of zones and zone sets created and activated outside of EFCM.

Retaining this design will introduce issues with LSAN and any other zoning prefixes used by FOS to do specific tasks.

Solution

Customers upgrading from versions prior to EFCM 9.6 to EFCM 9.7.2 will see the "SMP_" prefix in the Zoning dialog box for Brocade FOS-based fabrics. EFCM Brocade Plug will not prefix the zone set/zone name when it does the zone set activation on B model switches. Hence, when zone set activation is done through EFCM on B model switches, it will not prefix with "SMP_" for the zone set/zone name.

The following options can be used to resolve this issue, but are only applicable to Brocade FOS-based fabrics that were zoned using a previous version of EFCM.

Option 1: Use Export/ Import

1. Install EFCM 9.7.2 and migrate.
2. Save the active zone set of the Brocade FOS-based fabric into the Zoning Library.
3. Export the active zone set.
4. Edit the exported xml file and remove the "SMP_" prefix from all zones and zone sets.
5. Save the zone set xml file.
6. Import the xml file. The library should not show the zones or zonesets with the "SMP_" prefix.
7. Activate the imported zone set.
8. Using CLI, verify that the active zone set does not contain any zones or zone sets having the "SMP_" prefix.

Option 2: Copy Active Zone Set into Library and Migrate

1. Before migrating to EFCM 9.7.2 :
    - Save the active zone set of the Brocade FOS-based fabric into the Zoning Library.
    - Shut down the EFCM Server.
2. Install EFCM 9.7.2 and migrate.
3. Start Server and Client.
4. Now the Zoning dialog box will show all active zones from the Brocade FOS-based fabric with "SMP_" prefix. But the already saved zone set at the Step 1.1 will not be shown with "SMP_" prefix.
5. Activate the zone set, which is already saved in Step 1.1.
6. Using CLI, verify that the active zone set does not contain any zones or zone sets with the "SMP_" prefix.

For more details on this issue, refer to PR 88462.

Fabric Binding

In environments that are only enabling Fabric Binding on pure EOS-based fabrics, the below cautions does not apply. This is to highlight what users need to be aware of when enabling/disabling Fabric Binding in either a mixed EOS/FOS (InterOp) fabric, or pure FOS-based fabrics.

NOTE: Fabric Binding feature is supported in B model fabrics which are running in InterOp Mode 3/Open Fabric Mode from FOS 6.1 version.

Enabling Fabric Binding may cause disruption to a fabric either when enabling and/or disabling the feature.

Since the Fabric Binding feature does not set the InterOp mode, it is recommended that you first build the fabric then enable the Fabric Binding feature. This is to ensure you resolve fabric conflicts first before trying to enable this feature. Some examples of conflicts could be; InterOp mode, Domain ID overlap, Time-Out values, etc.

The table below outlines the Fabric-Wide Consistency Policy (FWCP) that is set, when enabling fabric binding. Each row represents a fabric with a specific InterOp mode setting.

Fabric Binding Membership List to be Activated	InterOp mode that the fabric is currently set to	FWCP setting
B model only WWNs	Brocade Native	Strict
B model only WWNs	McData Fabric Mode	Strict
B model only WWNs	McData Open Mode	Strict
Modifying an existing membership list of only B model WWNs to add one or more M model WWNs	Brocade Native	Tolerant
Modifying an existing membership list of only B model WWNs to add one or more M model WWNs	McData Fabric Mode	Tolerant
Modifying an existing membership list of only B model WWNs to add one or more M model WWNs	McData Open Mode	Tolerant
B model and M model WWNs	Brocade Native	Tolerant
B model and M model WWNs	McData Fabric Mode	Tolerant
B model and M model WWNs	McData Open Mode	Tolerant
Modifying an existing membership list of both B model and M model WWNs to remove all M model WWNs	Brocade Native	Strict
Modifying an existing membership list of both B model and M model WWNs to remove all M model WWNs	McData Fabric Mode	Strict
Modifying an existing membership list of both B model and M model WWNs to remove all M model WWNs	McData Open Mode	Strict

Fabric Binding Membership List to be Activated	InterOp mode that the fabric is currently set to	FWCP setting
B model and other WWNs that do not fall within the B/M model WWN ranges	Brocade Native	Tolerant
B model and other WWNs that do not fall within the B/M model WWN ranges	McData Fabric Mode	Tolerant
B model and other WWNs that do not fall within the B/M model WWN ranges	McData Open Mode	Tolerant

Issue

Cannot enable/disable Fabric Binding when a transaction is already in progress through Web tool/CLI.

Solution

EFCM will display an error message "Fabric binding failed because another transaction is in progress".

It is recommended that the user uses only the EFCM application to create/modify the Fabric Binding (SCC Policy on FOS-based switches) policy as using the CLI/EFCM Basic/Web tools may cause the EFCM application to get out-of-sync when opening the Fabric Binding dialog box.

For more details on this issue, refer to PRs 89610 and 89585.

Issue

Insistent DID not enabled for pure B model fabric.

Solution

In case of mixed fabrics (fabric connected with M model and B model switches), when fabric binding is enabled from EFCM, the Insistent Domain ID (IDID) setting on B model switches will be turned on. For pure B model EFCM will not enable Insistent Domain ID. As a result user will not be able to merge pure B model in IM2/IM3 with other fabrics. User will have to use web tools for enabling Insistent Domain ID for Pure B model fabrics and then merge the fabrics.

For more details on this issue, refer to PRs 91392, 89785 and 89864.

Fabric Binding In B model Routing Environments

Fabric Binding support in the routing environments might fail in few cases. Please see the issues below to check if your fabric setup falls in any of the cases and ensure that fabric binding is supported for your fabric setup.

Fabric Binding on Edge fabrics

Fabric binding behavior differs based on the topology of the Edge Fabric. The following issues explain possible fabric configurations in which fabric binding is supported or not supported.

Fabric Binding in Pure B model Edge fabric is supported for InterOp Mode 0(Brocade Native mode). InterOp Mode 2(McData Mode) and InterOp Mode 3(McData Open mode) are not supported.

Issue

FWCP is not set to tolerant when Front domain/Translate domain is added as detached WWN.

Solution

When user merges a pure B model fabric to pure B model edge fabric with fabric binding enabled separately, the merge fails because of FWCP mismatch. User needs to manually set FWCP to tolerant via Element Manager or CLI in the pure B model fabric which needs to be merged to the Edge fabric.

For more details on this issue, refer to PR 91465.

Issue

Fabric Binding fails in Mixed Edge Fabric in IM3 when user doesn't configure the preferred front port domain ID.

Solution

The preferred front port domain must be configured for fabric binding to work. The default value will not work. User needs to issue the portcfgexport command on FOS and use the –d option to explicitly set a domain id. The domain id configured on the EX_Port must be in the range 97-127.

For more details on this issue, refer to PRs 91343 and 91415.

Brocade 4G / 8G HBA:

EFCM discovery will identify the Brocade HBA 4G / 8G HBA and accordingly show the corresponding launch point (ESCM or the HCM Brocade FC HBA tool).

1. If the HBA is a Brocade 4G HBA (Brocade 410 / 420 model PCIe FC HBA), the right-click menu will contain a menu to launch the ESCM tool.
2. If the HBA is a Brocade 4G or 8G HBA (Brocade 415 / 425 / 815 / 825 model PCIe FC HBA):
   a. If the OUI in the WWN is not 00051E, then it will be shown as an HBA in the topology and the right-click menu will have an option to launch the HCM tool.
   b. If the OUI in the WWN is 00051E, the HBA will be shown as a NPIV device in the topology and the right-click menu will contain HCM tool.

Interpretation of WWPN for Symmetrix and Clarrion arrays

Issue

After Migration the port numbers for some of the Symmetrix and Clarrion arrays are listed in the product list

Solution

Rebuilding the discovery will clear the port numbers in the product list.

For more details on this issue, **refer to PR** 92979.

Advanced Call Home

Issue

When a B model switch is assigned to an ACH Call Center, a CallHome event will be triggered if a firmware download/reboot operation is performed on a B model switch that is currently in a "Marginal/Down" health switch status.

Solution

The firmware download/reboot operation that is performed on B model switches will trigger a Call Home when the switch was previously in a non-healthy state; for example "Marginal" or "Down". The call home can be avoided by bringing the switch to a healthy state before doing f/w upgrade or manual reboot of the switch.

For more details on this issue, refer to PR 92470.

No Disk Error upon Launching Local Client

Issue

After installing EFCM 9.7.2, an error message "Windows - No Disk" may be displayed when the local EFCM Client is launched.

Solution

Reboot the host machine running EFCM 9.7.2 Client.

For more details on this issue, refer to PR 31648.

Multi-homed Environment

Issue

SNMP Trap registration may have the wrong IP set during initial discovery of B-Model, thereby no messages will be displayed in the master log and Call Home will fail. Firmware download and SupportSave using built-in FTP will also fail.

NOTE: After discovering a B model switch, please verify that the IP address registered in SNMP configuration is reachable from Client and Server with the help of Element Manager (Webtools) or CLI.

Solution

From Webtools or Element Manager edit the IP address of the switch's SNMP Trap Recipient configuration to an address which is reachable from client and server.
The user needs to add/modify the parameter '*FtpServer.server.config.host=<server IP>*', in the ftpd.conf file located on the EFCM server at:

<Installed home>\ftpServer\apps\ftp\conf
Example:
FtpServer.server.config.host=172.32.5.24

The same server IP needs to be mentioned in the *config.properties* file present at *<Installed_Home>\resources\Server.*
Example:
smp.switchToServerIPAddress= 172.32.5.24

You must restart the EFCM server and the bundled FTP server.

For more details on this issue, refer to PR 91366, 91843 and 92084.

FICON RNID

The following information on Request Node Identification Data (RNID) is not directly available through EFCM application for FOS devices at this time:

- Serial #
- Class
- Tag
- Protocol

RNID information for FOS devices can be seen using FOS Element Manager (WebTools) for switches running FOS 6.1.0 and higher.

Firmware Download for B-model Switches after migration in a Dual Homed environment

Issue

Firmware download fails after migration from 9.6.x/9.7.x for FOS based switches from GCM in a dual NIC environment

Solution

FTP services get started before the configuration files are migrated. Hence restart the FTP service after the migration

For more details on this issue, refer to PR 92869.

Known issues

Issue

Unable to perform any operations through "Telnet through server" on EOS-based switches.

This problem is highly intermittent.

Solution

Right-click the switch and select the Telnet option.

For more details on this issue, refer to PR 88916.

Issue

When EFCM application is shutdown with the "Shutdown client" option checked, the EFCM client window is not closed and all open Element Managers grey out.

Solution

Close all open Element Managers and then shutdown the server and client.

For more details on this issue, refer to PR 88163.

Issue

When EFCM Server has IPv4 and IPv6 protocols installed and the server is manually forced to bind to the IPv6 address, ECC API will not connect to this EFCM Server. This issue affects the Fibre Zone Bridge Agent, Brocade SWAPI Bridge Agent, MOM Discovery, and SMI-S for M-EOS provider (in proxy mode).

Solution

Use the default setting of Automatic in SAN > Options > IP Configuration > Server IP Configuration to have EFCM Server bind to all interfaces. Or, change the setting to 'Manual to bind to an IPv4 address.'

For more details on this issue, refer to PR 89210.

Issue

SNMP Trap stating "Login information via Telnet/HTTP from EFCM server IP" is shown in the Master Log. When fabric containing B model switches (Brocade native mode) are discovered, logs will be posted every polling cycle as telnet to switch is done to collect the Zoning information.

Solution

In the advanced filter, set an option to filter these logs.

For more details on this issue, refer to PR 88942.

Issue

Support Save and Firmware Download do not work with Solaris and Linux when the internal FTP Server is running.

Solution

Enter the IP address of the EFCM server in */etc/hosts* file.

For more details on this issue, refer to PR 89215.

Issue:

User can not set the Enable\disable Dual mode from non-admin partition from Mi10k Element manager

Solution:

Enable\disable dual mode only from admin partition

Note : Dual mode check box will be updated in admin partition but it will not be reflected in non-admin partition and work around is perform rebuild discovery

For more details on this issue, refer to PR 92777 and DEFECT000218605.

Issue:

EFCM Client hangs when a range of IPv6/IPv4 address is added in ACL via EM.

Solution:

Once User sees that the final confirmation dialog showing the new range of IP addresses as null-null, the changes should not be applied, instead dialog should be closed and CLI or EWS shall be used to add the

range or add individual addresses via the same dialog. If by chance user clicks the apply button, the client will hang, then the only solution would be to kill and re-launch the EFCM Client.

For more clarification please refer PR: 92595

Issue:

EFCM fails to manage an i10K after upgrading the firmware with custom community string set in the snmp agent

Solution:

Reset the community string to default in both i10K and EFCM address properties before migrating the firmware and after migration, do a snmp reset and then give the appropriate community string both in i10K and EFCM

For more information please refer PR: 92878

Documentation Corrections

M6140 Fabric Switch Element Manager User Manual (53-1000668-03)

Configuring SNMP Operating Parameters – Page 50:

Add a note stating “Clearing all the community string entries will make the switch undiscoverable by EFCM”

M6140 Director Element Manager User Manual (53-1000661-03)

Configuring SNMP Operating Parameters – Page 56:

Add a note stating “Clearing all the community string entries will make the switch undiscoverable by EFCM”

Mi10K Director Element Manager User Manual (53-1000662-03)

Configuring SNMP Operating Parameters – Page 68:

Add a note stating “Clearing all the community string entries will make the switch undiscoverable by EFCM”

Threshold Alerts - Page 95:

Add Bullet 6 as "Clearing threshold alerts"

Creating a New Virtual Switch - Page 53 – Step 7: Read "The Node port Virtualization checkbox appears if the firmware version 9.6" as "The Node port Virtualization checkbox appears if the firmware version 9.6 or later"

View Alerts - Page 98:

After View Alerts section, add the following details for Clearing Threshold Alerts.

Clearing Threshold Alerts

Use the following steps to clear threshold alerts.

Port Threshold Alerts

- Open the Clear Threshold Alerts dialog box:
    - For switches, right-click on a port in the Hardware Port List, or Performance tab and select Clear Threshold Alert(s).
    - For directors, open the Port Card view, Line Module view (Mi10K Director), or Performance tab. Right-click on a port and select Clear Threshold Alert(s) from the shortcut menu.
- Select one of the following options:
    - This port only
    - All ports on switch (or director)
- Click OK.

Switch Performance Threshold Alerts

- Clear SPTAs using one of the following methods:
    - From the SPTA Properties dialog box, select Clear Alerts.
    - Right-click over the SPTA alert panel if it displays over switch modules (SWMs) in the Hardware
- Tab over and select Clear Switch Performance Threshold Alert.
    - This clears all SPTAs for the selected partition.

Event Management User Manual (53-1000666-03)

Group Configuration Management User Manual (53-1000667-03)

LUN Management (53-1000670-02 Rev. A)

Open VSANs User Manual (53-1000671-03)

Planning (53-1000673-02 Rev. A)

Remote Discovery (53-1000674-02 Rev. A)

SAN_Routing (53-1000675-02)

Topology_Layout (53-1000677-02 Rev. A)

View Management (53-1000678-02 Rev. A)

Zoning User Manual (53-1000679-03)

Supported hardware and software - page vii or viii

Bullet 4: Read it as "M-EOS and M-EOSn 9.6 or later"

Bridge Agent Installation Instructions (53-1000751-01)

Uninstall Bridge Install for Solaris - Page 4

1. Run. /BAStop in the /McDATA/BridgeAgent directory.
2. Run. /Uninstall_Bridge_Agent in the /McDATA/BridgeAgent directory.

Read these steps as follows

1. Run. /BAStop in the /BROCADE/BridgeAgent directory.
2. Run. /Uninstall_Bridge_Agent in the /BROCADE/BridgeAgent directory.

Related Documentation

In addition to the EFCM Management online help, the following publications about this product are available on the EFCM CD-ROM.

The most recent version of documentation is provided on the Brocade Web site, through Brocade Connect.

Go to http://www.brocade.com and click *Brocade Connect* to register at no cost for a user ID and password.

Note: To improve readability, these documents refer to the release number of the application as "X.X" instead of the official release number "0X.0X.00."

1. *EFC Manager Software User Manual*
2. *EFC Manager Software Quick Start Guide*
3. *EFCM Software Upgrade Instructions*
4. *Event Management User Manual*
5. *Group Configuration Management User Manual*
6. *LUN Management User Manual*
7. *Mi10K Director Element Manager User Manual*
8. *M4700F Fabric Switch Element Manager User Manual*
9. *M6140 Director Element Manager User Manual*
10. *Open VSANs User Manual*
11. *Performance User Manual*
12. *Planning User Manual*
13. *Sphereon 3032 and 3232 Fabric Switch Element Manager User Manual*
14. *Sphereon 4400 Switch Element Manager User Manual*
15. *Sphereon 4500 Switch Element Manager User Manual*
16. *User Group Management User Manual*
17. *View Management User Manual*
18. *Remote Discovery Connector User Manual*
19. *SAN Routing User Manual*
20. *Security Center User Manual*
21. *Topology Layout Customization User Manual*
22. *Zoning User Manual*
23. *1U Server Installation and Service Manual*

Opening the Online Help

1. Start EFCM.
2. Select *Contents* from the *Help* menu or press F1.

Opening the User Manuals

The user manuals and other documentation are provided in PDF format and are available on the documentation CD-ROM.

Note: You must have Adobe Reader to view the user documentation. You can download a free version of this from http://www.adobe.com.

If you run the documentation installer from the documentation CD, you can access the PDF files from where you installed them.

Tip: On Windows systems, if you installed the PDF files in <*Install_Home*>\docs, you can also access documentation through the Windows *Start* menu. Browse to the application's submenu and select *Documentation*.

Fixes / Code Enhancements in EFCM 9.7.2

PR Number	PR Description	Problem Category
92741	FCR Configuration on CM clients fails to login	Login/Logout
92746	zone activation button is grayed out and zoneset they use has unknown warning on it	Zoning
92831	FCR Configuration fails to launch in EFCM in Unix Platform	Right-Click Menus
92882	EMC Symmetrix / Clariion WWPN interpretation is retained after migration from previous releases	Migration
86060	In Newer arrays of Symmetrix / Clariion, Display of WWPN interpretation is incorrect.	Display Options
87324	The ports are not updated while adding/removing the slots to/from the partitions	
90042	ACH- Email message from the IBM Email Call Center has the IPv6 address of the server in the body and the IPv4 address in the subject.	Adv Call Home
90277	While configuring external FTP server entering Remote Directory Path is mandatory but that path is not used during supportsave.	Logs
91777	Advanced call home GUI not reporting correctly for B-Model switches.	Adv Call Home
91927	ACH: when a test call home is sent, the log entry in Master log has 0.0.0.0 - if the server is running only IPV6 mode	Adv Call Home
92512	Server Crashes and out of memory error occurs when i10k is discovered without admin partition	Migration
92798	Install : FTP service get removed automatically after successful installation of 9.7.2 application	Install/Uninstall
92838	Installers stops at the final screen when any FTP server of previous version is running	Install/Uninstall

Reported Issues in EFCM 9.7.2

PR Number	PR Description	Problem Category
56349	Updates to Port Status takes up to 5 seconds to be displayed in Connectrix Manager.	Element Manager
77890	Board swap between 10 Gig port and 4 Gig is not reflected in Port configuration screen	Ports
78751	Logs: Need options to view multiple log dialog boxes in CM 9.x as in CM 8.x.	Logs
81855	Nickname should equal single WWxN and single WWxN should equal a single Nickname	Nicknames
86886	imported nicknames not being applied to switch and fabric, appear to be lost - not in Configure-Nicknames dialog box.	Nicknames
87106	Node not getting shown under a switch in the zoning screen	Zoning
87591	Performance: Spike in TX/RX values of B-Model/M-Model performance graph on blocking and unblocking a connected port.	Performance
87758	ACH: There should be master log entry if the call is unsuccessful	Adv Call Home
87885	6140 EM:Nickname assigned to E-Port in Node list view of EM is not getting updated in the Node List	Element Manager
87987	i10k: Offline Sequences RX and Offline Sequences TX counters are not incremented correctly in EM.	Element Manager
88420	i10k partitions' call home status shown as 'Not manageable'	Adv Call Home
88916	Sometimes not able to perform any switch telnet operations	CLI
89021	EFCM having trouble in discovery/display when I10K has multiple virtual N ports (NPIV) without a primary login	Performance
89158	Physical Map: Fake NPIV devices are shown connected to 48k(with FC4-16IP blade) when its ISLed with i10K	Physical Map
89176	ISCSI initiator connected to Brocade 48k is not shown in EFCM.	Discovery
89187	Xlate Phantom switch in the edge fabric is not being discovered in EFCM	Discovery
89207	Proxy devices in a Backbone edge configurations should be displayed in EFCM	Discovery
89269	Stopping the discovery does not release manageability of switch	Client/Server
89334	Gigabit Ethernet port information is not shown in EFCM.	Properties
89577	EFCM Performance: EFCM takes over 25 minutes to activate a maximum-limit zone config into a pure-Fabric OS fabric.	Performance
89760	Nicknames assigned via Configure Nickname dialog box after launching EM is not reflected in EM Node list.	Element Manager
89761	Cut and paste from the Active Zoneset Tab in the zoning dialog box to notepad does not show actual zone.	Copy/Cut/Paste
89801	Call home status shown as 'Not manageable' for few switches which have Call home notification enabled	Adv Call Home
90003	Domain ID absolute value not displayed in EFCM on 5K with v 6.0 firmware.	Fabric Binding
90244	EFCM 9.5 discovery of B4020 shows a port count of zero.	Discovery

90292	Zoning: Memory leak when compare operation is performed, leads to Client Out of Memory	Zoning
90798	Upgrading to EFCM 9.5 and 6140's now loses manageability.	Discovery
90932	Install/Uninstall : Bin folder is not removed in Win 2000 when Full Uninstall is performed	Install/Uninstall
90953	Performance Data Report:i10k VF:-No Switch Data Available message shown when links present in Performance summary are clicked	Reporting
90966	I10k Port Binding: After enabling port binding, the port FC address is not updated in the port list.	Security
91033	Unexpected error when modifying Fabric Binding membership lists - "Switches which are currently part of the fabric cannot be removed"	Fabric Binding
91035	Fabric Binding activation fails on attempt to add detached EOS switches to a FOS fabric	Fabric Binding
91036	EFCM:Client is hanging when we select show connected end devices. CPU utilization is steadily above 50%	Layout/GUI
91134	EM:Port type shown as UNKNOWN for a 6140 switch and continuous ISL removed/Attached logs are posted in master log	Element Manager
91265	Host and Storage Group changes not persisting when EFCM server cleanly restarted	Shutdown
91304	SMI-S Interface - EFCM 9.7 Connection Lost issues and random loss of switches	MPI
91396	Performance Graph:- No Graph and port information shown when port performance graph is opened.	Performance
91525	MultiUserZoning: Zone removed from Zoneset tree displayed in Zoning dialog & NPE thrown on Clicking Merge for same zone in Zonetree	Zoning
91602	Inband discover: Brocade HBA is not listed in the discovery dialog.	Discovery
91610	The "Edit Centers" window does not pop up when an attempt to modify a call center phone number is made	Adv Call Home
91724	Uninstall: Uninstallation of EFCM in Fresh PC does not remove Registry Key Settings	Install/Uninstall
91732	Increase in memory usage due to security events	Security
91796	port shows wrong blocked/unblocked status in EFCM on a 6064	Ports
91804	ECC5.2 is not able to get the manageability for the devices in a lager fabric like MFT.	ECCAPI
91821	Port types: Incorrect port types shown for routing environment. (VEx, VE, Ex)	Physical Map
91842	EFCM Server continually tries to connect to TCP port 55555 on the EFCM Client host IP long after the client session has exited	Client/Server
91978	AG: A HBA with the same WWN as that of the core AG is shown in Isolated group in a Cascaded AG environment.	Access Gateway
92022	Logs: IPv6 address is not displayed in the switch Audit log Identifier column	Logs
92041	Fusion is not connecting to EFCM when EFCM run in different port number	Login/Logout
92173	MultiuserZoning : Warning message banner is still displayed in Client2 when MergeAll is clicked with Domain/Port as Zonemember	Zoning
92183	Loss of manageability with 6140 after upgrading to 9.6.1	Element Manager

92244	When Api/Nport/Eport/PAP authentication is set to radiusthenlocal/radius, unable to edit the radius server, error is thrown	
92248	Mi10k: "SNMP Failure" error message is displayed when deleting the community string in SNMP tab of Operating parameter dialog	I10K Element Manager
92261	Zoning: In FOS only fabric, activation of zoneset fails if the zone name is renamed and assigned to the same zoneset.	Zoning
92276	EFCM-EM: Audit log does not reflect the entries for FrameResizeState Enable/Disable while configuring through CLI.	Logs
92302	When chap secret is edited the newly configured chap is not displayed in change secret dialog, out of memory is shown later in debug	SANteg II
92304	GCM Virtual Switch: Install page is showing previously added MI10k IP in the IP address column	GCM
92341	Right click:Port count is not shown in the non admin partition of i10k after creating the virtual switch	Right-Click Menus
92358	NPIV hosts from VMware environment logged into a switch are shown as seperate host icons.	NPIV
92361	EFCM uses SNMP requests that result in fragmented responses from the i10K director	Discovery
92366	ACH: Model # and serial # values are not populated properly when call home is triggered after switch reboot.	Adv Call Home
92391	Installation: FTP service is not getting installed while installing 962 build 8.	Install/Uninstall
92406	Install/Uninstall : Bin folder is not removed in Windows when Full Uninstall is performed	Install/Uninstall
92466	NPE is thrown when tried to create a virtual switch and virtual switch does not get created	Virtual Fabrics
92515	SANExport with all options selected takes a long time to complete in Routing environments with large IM2/IM3 edge fabric	Scalability (Max. devices)
92544	AG: Topology does not show the slave port when a trunk is formed in edge switch connected to AG.	Access Gateway
92597	Customers says that directly they can see all 4 fabrics but only 2 fabrics when they go through the MOM server	Discovery
92627	Call home not working with dialing rules using access number	Adv Call Home
92630	GCM: FOS v6.1.1_bld01 is showing as v6.1.0_bld01 in firmware library, and firmware deletion/upgrade is getting failed.	GCM
92631	Binding Status of the Fabric cannot be enabled on a B-Model Device if the interopmode is set to McDATA OPEN FABRIC	Fabric Binding
92669	Fabric binding doesn't work in the MFT. interopmode=2	Fabric Binding
92687	Fabric Binding: Fabric row is greyed out even when the Mixed fabric is mangeable.	Fabric Binding
92706	email macro errors on port names and nicknames and several other fields	Event Notification
92735	Can't get any products to discover and get Exception in thread "AsyncDiscovery"	Discovery
92773	Install: Internal FTP service is starting eventhough the External FTP server is running.	Install/Uninstall
92777	Mi10K : Enabling\Disabling dual mode is not properly working in non-admin\admin partition.	I10K Element Manager
92784	Call home center status shows a manageable 6140 as unmanageable	Adv Call Home

92807	EFCM Applying an Incorrect Domain Offset for some FOS switches in Mixed Fabric when zoning as Domain/Port Members	Zoning
92843	EFCM quering 48K results in snmpd and fspf overload	Discovery
92869	Migration: Firmware download fails after migration from 9.6.x/9.7.x for FOS based switches from GCM in a dual NIC environment	Migration
92878	EFCM fails to manage an i10K after upgrading the firmware with custom community string set in the snmp agent	I10K Element Manager
93021	SMI-S, in config phase there is a timeout attempting to connect to EFCM 9.7	Client/Server
72617	i10K -- Apply To changes failed in Software tab due to cannot configure API authentication in virtual switches	Security
75785	On a 4500 the logged in port showed up immediately in the EM but took around 2 min to show-up in the topology	Element Manager
77310	EM takes long time to launch for large fabrics from a Remote Client separated over a WAN	Element Manager
80738	Connectrix Manager incorrectly displays a Cisco switch as a Router.	Display Options
83001	Hex Display: Domain ID is displayed in decimal in Fabric binding message when it is configured as Hex Display	Display Options
86800	Time shown in the master log is not the SP time, but is the time set on the blade switch	Logs
87030	i10k: Duplicate entries are created in EFCM, while modifying the portfencing policy through CLI.	Port Fencing
87224	ACH: Call Home logs and Call Home messages are still containing McDATA instead of Brocade (based on Branding changes in T4).	Adv Call Home
87315	Performance Graph: Scale not proper when data drop down is changed from other than hour, day.	Performance
87951	ACH: Heartbeat Interval can be implemented with EMC callcenter	Adv Call Home
88345	Display Symbolic Node Name and Symbolic Port Name instead of decoding Symmetrix and Clariion WWPNs	Device List/Properties
88386	Exception thrown in client debug window while trying to login when the Server is not available	Login/Logout
88421	Call home status show as 'Not manageable' for a switch (64M) managed by CM	Adv Call Home
88880	Backspace does not work in bound WWN in Configure ports	Ports
88910	When a TTA is edited to CTA or when a CTA is edited to TTA the changes are not correctly reflected in EM	Element Manager
89143	Wrong Port Number (129) is displayed in the properties dialog box for virtual switch (front domain).	B Model Discovery
89173	Access Gateway: i10k connected to AG shows i10k connected to HBA in MOM discovery.	Access Gateway
89252	Access Gateway: Blocked ports show as Unblocked in port properties for AG device.	Access Gateway
89305	Percent utilization in the Performance Graph has been seen sometimes to go beyond 100% when the range is set to 1 day	Performance
89563	Properties: In Fabric Properties Fabric Binding option is Blank for pure Brocade fabrics.	Properties
89707	Migration:-CtxMgr9.1.1-CtxMgr9.6: RMI Export Port value is not getting migrated in Server properties	Migration

89712	EFCM export should capture all the logs in the EFCM log folder	Export
89724	EFCM should send "Ctrl-C" when the switch prompts to enter a new password (Change Password)	B Model Discovery
89770	Newly created server group should be on the top of the list	Layout/GUI
89971	Fabric Binding dialog box takes 1-2 mins to open in case of a medium sized fabric and upto 4 mins in large fabrics.	Fabric Binding
89980	Port Fencing : Default policies with the same name (different limit and period) cannot be assigned to a port	Port Fencing
90019	ACH:Enable/disable check box state is persisted but other values configured are not when the changes are not commited on Edit centers.	Adv Call Home
90031	Product list is not fully exported if the device tree is collapsed prior to the export	Export
90074	Performance Graph : When traffic flow is stopped/connection is removed from the port CRC scale is shown in place MB/Sec.	Performance
90075	Performance Graph: On changing port speed the History/Events graph differs from switch graph.	Performance
90095	EFCM cannot activate the maximum-sized zone config containing 2047 zones into a mixed (FOS/EOS) fabric if FOS switch is principal	Zoning
90112	Zoning: Zone library is not getting saved when it is made empty by refreshing.	Zoning
90266	HBA Server Mapping: The unmapped brocade HBA overlaps the HBA's under server group in the topology.	Layout/GUI
90286	Zoning: 'Zone member not found ' message pops up when we try to search a zone member in a Fabric when 'Display All' option set in fabric2	Zoning
90375	Event Management: Entering invalid Endtime in Weekly time limit throws NullpointerException and no error message is shown	Event Management
90377	Discovery :-Add multiple ips checkbox in Address Properties dialog automatically checked	Discovery
90392	Discovery: CM server is able to discover itself when IPv6 address of the server is given in discovery.	Discovery
90397	IPv6: Server started in IPv6 when IPv4 loopback address is configured in IP configuration dialog	IPv6
90405	Discovery : Unable to add an Ipv6 address when the Ipv6 address is pasted with a blank space with it	Discovery
90423	Selecting different paddle in 'Line module' view does not change selection in Hardware/FRU view	Display Options
90471	i10k EM: When I10k is discovered with dual mode, instead of IPv6 address IPv4 address is displayed in the Configure partition dialog box	I10K Element Manager
90484	Persist: Duplicate i10K appears in a fabric when two persisted fabrics are merged	Persist Fabric
90497	Properties: Unable to edit the editable rows in server property dialog and exception is thrown.	Properties
90498	View Management: Port label Combo box from the toolbar is not working.	Ports
90521	I10k EM: IPv6 address field should not be editable in the Partition Properties dialog box when switch is in IPv4 mode as per the FS	I10K Element Manager
90605	i10k PFE key : The installed feature marks are not shown in the Configure feature key dialog for linux platform.	I10K Element Manager
90635	Duplicate EM opens up for 6140 switch and Physical map shows two Icons of the same product	Physical Map

90707	i10k VF:-View Management:-View not refreshing when any installed ports are assigned to a Virtual Switch having only Not Installed ports.	User-defined Views
90727	MFT: Grey screens are observed in remote client launched to a MFT	Scalability (Max. devices)
90728	Incorrect Message for a managed FOS device under Security tab	Security
90729	GCM : There is no response from the application while adding the firmware from invalid path.	GCM
90736	Storage port mapping : After rebuild discovery, the persisted fabric is shown like isolated device in topology.	Physical Map
90776	GUI: I10k icon shown in the topology as if it has partition eventhough there is no partition created to that i10k switch	Layout/GUI
90809	Portfencing : Ports column of PortFencing dialog displays blank when a policy is added to All Fabrics.	Port Fencing
90812	EM: Inappropriate alert message is shown when we configure new PFE key	Element Manager
90815	Discovery: The Fabrics flushes out from the topology and updated after 30 seconds after the restart of the server	Layout/GUI
90836	Performance Graph:-Values for "Set Event Thresholds" getting changed when "Apply to all ports on this switch" check box is checked	Performance
90838	Physical Map: Discovered director is shown out of the switch group	Physical Map
90845	EFCM generates multiple events when a port is blocked or port operational status changes.	Client/Server
90933	Zoning : Zoning fails when the size of the zoneset is large (1MB) for mixed fabric	Zoning
90938	I10k:Configure partition dialog allows to configure IPv4 loop back address for partition.	I10K Element Manager
90986	Properties: The speed supported field always carries a null value for brocade switches	Properties
90997	PortFencing : Policy assigned Port is not blocked by Port Fencing policy when Loop device is connected to E Port.	Port Fencing
91011	EFCM should restrict when IPV6 enabled switch is downgraded to an IPV6 unsupported firmware, should ask to discover using IPv4 address	I10K Element Manager
91025	GUI i10k:Manageability state is shown in the topology eventhough the i10k is discovered indirectly.	Layout/GUI
91244	PhysicalMap: View>Show Connected End Devices is not enabled after enabling Show Connected End Devices check box in all fabrics	Physical Map
91254	i10K EM : The IPv6 address of the partition configuration is not shown in the exported configuration report.	I10K Element Manager
91303	Windows Remote Client launched for Solaris Server shows all the ACH Centers and allows to add/remove centers	Remote Access
91317	LUN Management: Unable to open the Help page for the LUN Management dialog.	LUN Masking
91326	EFCM: While Enabling\Disabling BBcredit "SNMP ERROR : System timeout of operation" error is thrown	
91368	Using EFCM, I10K NDCLA to EOSn 9.7 build 8 taking long time to complete.	Migration
91378	PortFencing:NPE & Unable to add a policy to a port in core switch if the same port has a policy assigned & unassigned to it in virtual switch	Port Fencing
91390	Customer wants to use LDAP to bind with SSL.	Security

91425	EFM: "Operation Failed" when trying to deactivate the Enterprise Fabric mode and Exception throws in Client for Virtual Switch	Enterprise Fabric Mode
91434	i10kVF:Hidden ports (10Gb) are shown in export configuration report taken for default VS even though the ports does not belong to this VS	Virtual Fabrics
91450	Warning message shown indicating mismatch between zoneset active and in the library not getting cleared on deletion of zone	Zoning
91466	Import : Incorrect mapping done when we try to import a file with incorrect entries for a device	Import
91478	Import: Able to import wrong data after creating a view	Import
91480	Multiple Alert indications generated for ZoneDB modification.	
91496	Fabric Binding: i10k: For non-admin partition, no message shown on enabling FB when feature key is not installed.	Fabric Binding
91526	EM: 6140: Audit log entries are not generated properly when we change BB credit value for all ports	Element Manager
91534	i10kVF: Operational status is not shown in virtual switch properties dialog	Virtual Fabrics
91557	I10k: After enabling switch binding the attached nodes are not listed dynamically in switch membership list.	I10K Element Manager
91564	Uninstall: one file is not removed when we do full uninstall after launching feature key from EM	Install/Uninstall
91584	Portfencing : Assigned policies are get deleted when new policy is added to switch which exceeds the threshold limit.	Port Fencing
91601	MOM Discovery: License dialog lost its functionality on broadcast (subnet) discovery of EFCM servers	ECCAPI
91633	Mi10k EM: Help button is not available in the warning message of disabling Dual mode option for IPv6 discovered director	I10K Element Manager
91646	RDC: Rebuild occurs after a discovery turn off when the RDC service is stopped	Discovery
91653	Layout/Topology: After blocking the port of one i10k partition from the fabric to detattach the ISL it is showing two partition with the same IP	Layout/GUI
91688	I10k: Partition name is not displayed in EM window	I10K Element Manager
91713	EM: Configuration is retained even though we click on cancel button on Configure FICON Management server zoning	Element Manager
91715	Multiuserzoning : "Updated Zoneset" event is generated in master log even Zoneset is not updated in Client 2 during Merge.	Zoning
91813	I10k: Discovery status is not consistent when both v4 and v6 address are added in discovery list, and two EM's are launched	I10K Element Manager
91849	Import : Error message text is not proper when importing a zipped SAN file	Import
91868	Fibre Zone Bridge: Fibre Zone Bridge Agent sometimes not able to find installed EFCM version	ECCAPI
91880	I10k: Unable to launch partition property dialog after upgrading firmware through non admin partition.	I10K Element Manager
91886	Performance Graph: History/Events graph shows wrong Running Average when current time range is changed	Performance
91913	Fabric Binding: Able to enable fabric Binding in unmanageable fabrics(fabric having qlogic switch).	Fabric Binding
91914	Reports : Deleted reports are still available in reports folder in Server side of EFCM	Reporting

91928	Multiuserzoning : While Zoneset names are changed by Properties dialog,Zonesets are not merged when MergeAll button is selected.	Zoning
91952	MultiuserZoning : Refresh button is disabled in Client 2 when Zones deleted in Client1/rebuilds the discovery in Client2.	Zoning
91953	User Management :Performance Data on the Export dialog is enabled when the user has no privilege for Performance feature	User Management
92027	Install/Uninstall : Inconsistent with the service installation of EFCM 9.6.2.	Install/Uninstall
92039	Port Binding\Switch Binding:-- "Type" & "Operational Status" columns showing wrong information in ":Select WWN" dialog	Element Manager
92104	MI10k: IPv6/IPv4 address change of partitions through telnet is not updated in configure partition dialog.	I10K Element Manager
92114	Security banner configured on a Brocade switch is not displayed when EM is launched from EFCM.	Element Manager
92146	Zoning:Error message should be displayed if a new member is added by giving the WWN of the switch port with/without end device.	Zoning
92181	EM: nicknames configured for attached E_Ports of the brocade switches in Node List View are not reflected immediately.	Element Manager
92188	Fw Download : The Attached port count in the Install tab always shows total number of ports in case of B Model switches.	B Model Firmware Download
92230	MI10k: Changing management style in local client is not reflected in remote client unless we close the local client EM	I10K Element Manager
92232	User Management: Revert to Loop is enabled when user has No Privilege to Map Loop to Hub.	User Management
92235	Mi10k: When slots of one partition assigned to other partition, port properties is not updated until a rebuild discovery	I10K Element Manager
92423	Zoning: Safe zoning option is not available when a brocade switch is indirectly discovered in a mixed fabric in mcdata mode.	Zoning
92462	EFCM 9.5 Phantom directors in ACH product list	Adv Call Home
92479	Fabric Discovery and PortStatDiscovery takes more time in Fusion 2.2 proxy mode with EFCM 9.7	Ports
92483	EFCM @9.6/40 When NPIV devices are moved from one physical port to another some nicknames do not display.	NPIV
92485	ACH: FRU Code for the event 82 is displayed wrongly in the event filter.	Adv Call Home
92505	ACH Event 82: Severity and status for the M6140 call Home messages for the EMC call Home center is different than Mi10k	Adv Call Home
92519	Over a 3-4 day period in Routing environments with Large IM2/IM3 edge fabrics, Memory increases to 450 MB and stabilizes later on	Scalability (Max. devices)
92675	M6140 EM: Server Busy error message is thrown when try to navigate between tabs in EM	Element Manager
92685	Hardware view (slot view) of i10K is not updating after paddle swap.	I10K Element Manager
92693	Zoning : Warning message banner for zoning library updation by another client is displayed when there is only one client.	Zoning
92696	Zoning: Error message is not meaningful when a zone is activated with non permissible domain id	Zoning
92728	Able to activate a zoneset containing a Domain port member with invalid port number.	Zoning
92729	Fabric Binding: Even when discovery is OFF User is able to perform FB operations in pure B Model and Mixed fabric	Fabric Binding

92730	GCM: Incorrect 'Firmware file not valid"error message shown when user manually enter the correct path for a FOS firmware	GCM
92745	When viewing the 48K thru EFCM it has a red diamond over it.	Device List/Properties
92767	PortFencing : Alert symbol is not displayed in Violation type menu and Port table when ports are blocked by Portfencing.	Port Fencing
92771	EFCM not reporting all devices available for zoning	Zoning
92803	Physical Map: Domain ID displayed wrongly for M Model switches without mangeability	Display Options
92873	EFM:Proper error messege is not thrown on activating EFM, when one of the switch in the fabric don't have SANtegrity feature installed	Enterprise Fabric Mode
92912	EFCM generates multiple events when FCPort is blocked/unblocked	MPI
92927	port configuration changes made in CLI is not updating in efcm	Element Manager
92930	Offline sequences Txd counter in efcm is never updating when it is changing in cli	Element Manager
92939	Discovery: Discovery status of switch in AG mode toggles b/w Discovered and Not Discovered	Access Gateway
83157	Unable to perform zoning as connected end devices are not shown in product list but are available in EM Node list.	Zoning
89065	Error Message: No CD in Drive whenever launching Client	Client/Server
89443	In a Large Fabric moving from View All to Security tab is giving grey screens and the application hangs.	Scalability (Max. devices)
89762	Column resize in Element Manager does not persist	Element Manager
90404	i10k EM : The i10k managing server IP address is not displayed in the error message.	Element Manager
90451	EFCM @ 9.5/106 Streaming ISL added and removed to Master Log and SMP_Fabric_Log when ISLs are fine.	Logs
92574	EFCM Client performance is slow in customer environment	Performance
92595	EFCM Client hangs when a range of IPv6/IPv4 address is added in ACL via EM	Element Manager
92840	Right Click Menu: Telnet and Webserver is not launching in Solaris/Linux for CM Remote Client	Right-Click Menus
92925	Activating a zoneset from EFCM clears the frame redirection zones	Zoning
92959	Activate zone button is greyed out	Zoning
92890	Topology view, fabric tree refresh issue when rearranging columns	Device List
92891	Stale information shown in the switch group	Device List
92892	Topology view, current selected view of switch changes over time	Layout/GUI
92898	EFCM fails to complete activation of D,P zone on Interop Mode 2 fabric	Zoning
92974	Physical Map: All the configured ports are not displayed in topology for LSI Logic loop HBA.	Physical Map

92979	After Migration the port numbers for some of the symmetrix and clarions are listed in the product list	Device List
92980	Moving switch icons in the topology view is erratic	Device List
92886	Not getting email notifications on threshold alerts	Event Notification
92977	CM 9.6.1 Fabric failure indicated, but cannot determine cause, and/or clear.	Discovery
93105	Problem when in the EFCM the "heartbeat interval" is set to 28 day (and maybe lower)	Adv. Call Home
93112	EFCM @ 9.6 HBA's disappear from the product list after he edits their properties.	Device List/Properties
93081	WWNDictionary.txt file used for vendor name lookup needs to be updated	Discovery
93056	Switch status not reflected properly when power was lost	Discovery